

OM of: US-09-494-297-2 to: Geneml:* out_format : pfs
 Date: Jun 6, 2001 10:59 PM

About: Results were produced by the GenCore software, version 4.5,
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Command line parameters:

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 -OM/cgml-1/USPRO.spool/US09494297/runat-06062001.115734.12308/app-query.fasta.1.825
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 -DELXET=7.000 -START=1 -MATRIX-blosum62 -TRANS-human40.cdi
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 -ICPU=3 -LONGLOG -NO_XLPHY -WAIT -THREADS=1

Search information block:

Query: US-09-494-297-2
 Query length: 757
 Database: Geneml:*
 Database sequences: 1283235
 Database length: 1216004940
 Search time (sec): 2987.740000

score_list:

Sequence	Strid Orig	ZScore	Escore	Len	Documentation
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gb_ba1:AF0099808	+611.00	576.82	6.5e-24	2801	I AF0099808 Streptococcus pyogenes
gb_ba3:SPSFB	+603.00	571.11	1.4e-23	2263	I X67947 S.pyogenes sfb gene for
gb_ba2:GCV31115	+523.00	496.38	2.0e-19	2066	I 03115 Group G streptococcus f
gb_ba1:AF0099914	+272.50	275.93	3.7e-07	321	I AF009914 Streptococcus pyogenes
gb_ba1:AF0099913	+262.50	266.71	1.2e-06	313	I AF009913 Streptococcus pyogenes
gb_ba1:AF0099910	+241.50	246.54	1.6e-05	326	I AF009910 Streptococcus pyogenes
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seq_documentation block:

LOCUS SPU49397 10826 bp DNA BCT 19-DEC-1998
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 Cpa (cpa), and Nra (nra) genes, complete cds; ssba (ssba) gene,
 partial cds; and unknown genes.
 ACCESSION U49397.1 GI:4028947
 KEYWORDS
 SOURCE
 ORGANISM

Streptococcus pyogenes.
 Streptococcus pyogenes.
 Bacteria; Firmicutes; Bacillus/Clostridium group; Streptococcaceae;
 Streptococcus.

REFERENCE

1 (bases 1 to 10826)
 Podbielski, A., Moischnik, M., Leonard, B.A.B. and Schmidt, K.R.
 Characterization of nra, a global negative regulator gene in group

JOURNAL

A streptococci
 Mol. Microbiol. 31 (1999). In press

REFERENCE

2 (bases 1 to 10826)
 Podbielski, A. and Moischnik, M.
 Direct Submission

AUTHORS

Submitted (19-FEB-1996) RWTH Aachen, Institute of Medical
 Microbiology, Pauwelsstrasse 30, Aachen, NRW, Federal Republic of
 Germany, 52074

JOURNAL

Location/Qualifiers

FEATURES

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DEFINITION Streptococcus pyogenes fibronectin-binding protein (prtf) gene,
complete cds.
ACCESSION U0919.1 GI:425479
VERSION 1.0
KEYWORDS adhesion; fibronectin-binding protein; protein F; prtf gene.
SOURCE Streptococcus pyogenes (strain JRS75) DNA.
ORGANISM Bacteria; Firmicutes; Bacillus/Clostridium group; Streptococcaceae;
Streptococcus.
REFERENCE 1 (bases 1 to 2845)
AUTHORS Sela,S., Avily,A., Bustlen,I., Tovl,A., Caparon,M.G. and Hanski,E.
TITLE Protein F: An adhesin of Streptococcus pyogenes binds fibronectin
via two distinct domains
JOURNAL Mol. Microbiol. 10, 1049-1055 (1993)
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US-09-494-297-2 x STRPTNF
Align seg 1/1 to: STRPTNF from: 1 to: 2845
20 SerLysAsnSerLysArgPheThrValThrLeuValGlyValPheLeu 36
494 AAAAAAAAAAAGCGCGTTGCTGCTGCTTACTGAGGAGCTTTTATAT 543
36 tLePheAlaLeuValThrSerMetValGlyAlaLysThrValPheGlyL 53
544 GCTTTGGCATGCGCGGCTGCTGCTTGGCTTGGCTGCTGCTGCTGCTG 593
53 euValGlnSerSerThrProAsnAlaIleAsnProAspSerSerGln 69
594 CCGATGAGAAAGCTGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 637
70 TyrArgTyrGlyTyrGlnSerThrValArgLysIleProTyrTyrL 86
638 TTTCCTTGATGCGTTATGATGCTTATGATGATGATGATGATGATGAT 687
86 sGlnPheArgValAlaIleAspLeuArgValAsnLeuGlnGlySerArg 103
688 TATTGGACGCTGATCATGCTGAGTAATTTAAAGGAGGAGGAGGAG 737
103 eTyrglnValTyrGlnPheAsnLeuLysAlaPheProLeuGlySer 119
738 GCTACCAAGTTTATGTTTAAATCAATCAATCAATCAATCAATCAAT 787
120 AspSerSerValLysTyrPylLysLysHisAspGlyLysSerThr 136
788 AATAGTTTCTTAAAAAATTTGTTTAAAAAATTTGAGGAAATGGCAAT 837
136 sPheGlnAspTyrAlaMetSerProArgIleThrGlyAspGlnLeuAsn 153
838 CTTTGTAGATTATGCTCACACTAACTAGTAAAGAGAGTGGAGC 887
153 lLysLeuArgAlaValMetTyrAsnGlyHisProGlnAsnAlaAsnGly 169
888 AGAGGCTCTTAAGTTTACTGATTAATGCTATCCCAACATGCTATG 937
170 lLeuGlnGlyLeuGlnProLeuAsnAlaIleArgValThrGlnL 186
938 TATATGAAGAGCTGAGCATTTAATGCTATTTACTGTAACCAATATGC 987
186 eValTyrTyrTyrSerAspAsnAlaProIleSerAsnProAspGlnSer 203
988 ACTTGTGATTAATCAATATCAATCAATTT...GAGCATTAAT 1034
203 heLysArgGlnSerLysSerAsnLeuValSerThrSerGlnLeuSerLeu 219

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